

# CITY WATER BALANCE PLAN

## Basic Details

### ULB Information



City  
TIRUR (M)



District

MALAPPURAM



State

KERALA



Existing AMRUT City

No

	Name	Designation	Landline No.	Mobile No.	E-mail ID
<b>Nodal Officer</b>	RAMACHANDRAN K	MUNICIPAL ENGINEER	04942422303	9446426698	aetirurmunici@gmail.com
<b>Mayor.Pre</b>	Naseema A P	NA		9207639862	secretarytirmun@gmail.com
<b>Municipal.C/C.Ofc</b>	Sheri G	NA		9497015887	secretarytirmun@gmail.com
<b>Head,W.S/S.De</b>	Roshni	NA	0494 2422008	8547638414	aekwatirursection@gmail.com
<b>HOD/P.H.de</b>	Dr Baby Lakshmi	NA		9447096666	

### Parastatal Agency

Any parastatal agency engaged? : **Yes**

No. Of Parastatal Agency : **1**

#	Organization name	Nodal officer name	Designation	Landline no.	Mobile no.	E-mail ID
1	KERALA WATER AUTHORITY	SALEEM KUMAR M	ASSISTANT EXECUTIVE ENGINEER	04942422008	8547638412	aekwatirur@gmail.com

### City profile as per FY 2020-21

City population(Census 2011)	56058	Households (Census 2011)	13841	City area (sq. km.)	17
Wards in city	38	Slum settlements (No.)	0	Industries (No.)	248
Industrial clusters	0	Population survey conducted in the last five years ?	No	Survey year	NA
Survey city population	NA	City population in 2021	67270	Households in 2021(no.)	16610
Population density	3957	Slum population in 2021	0	Slum households 2021	0




### Future Projection

City population in 2025	72652	Households in 2025	17939	Slum households in 2025	0
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**Engineering College/ Organization/ Experts Working in Water Sector in the ULB**

#	Type	Entity name	Nodal officer name	Landline no.	Mobile no.	E-mail ID
1	Engineering College	SSM Polytechnic College Tirur	Abdul Nasar M	04942420580	9895079231	ssmtirur@gmail.com

**Uploaded Images**

#	Type	Name	Uploaded image(s)
1	Water Body	Pujol Pond	
2	Water Body	Chembra Pond	
3	Water Body	Thamnkuzhi Well	

## Water Supply

### Major Water Sources Details

#	Type	Name / Location	No. of water tapping points	Quantity of water tapped in MLD	Location outside	Distance in km.
1	River	Pallipadi Bharatha Puzha	1	17	Yes	8.5

### Water Treatment Plants (WTP)

#	Location of WTP	Designed capacity in MLD	Operational capacity in MLD	Water supply source	Technology used for automatic monitoring
1	Tirur Pallipadi Bharathapuzha MLD WTP	17	17	Pallipadi Bharatha Puzha	Other(none)

### Water Connections

#	Water connections type	No. of tap connections provided	No. of households	Water supplied in MLD
1	Residential / Households	3815	3815	3.466
2	Commercial Establishments	604	NA	0.604
3	Industries	1	NA	0.020
4	Institutional Establishments	0	NA	0
5	Slums	0	0	0

### Present Water Supply to Residential/Households incl. Slums

Piped water supply in MLD	3.466	Water supply directly through tankers in MLD	0	Water supply through tubewell & borewell in MLD	0
Treated water supply in MLD	0	Total water supply in MLD	3.466	Average per capita water supply in LPCD	224.326

### Estimated Future Water Demand in 2025 (in MLD)

Residential/ Households including slums	10.898	Commercial establishments	0.755	Industries	0.025
Institutional establishments	0.250	Slums	0	Total	11.928
Are you going to met the 100% future demand through subsurface water source?	Yes	How much future demand in MLD will be met through subsurface water source?	NA		

## WB Rejuvenation & RWH

### Rainwater Harvesting (RWH)

Is rainwater harvesting included in bylaws?	Yes	Status	Implemented	No. of water tanks at religious places in your city	6
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### Water Source Quality Assessment

#	Type	Name	Area	Photograph	Site latitude & longitude	Water quality assessment	Has the source rejuvenated
1	Water Body	Punjol Pond	0.000096			Good	Yes
2	Water Body	Chembra Pond	0.0001			Good	Yes
3	Community Well	Thamnkuzhi Well	0.000025			Good	Yes
4	Community Well	Kunnath Well	0.000025			Good	No
5	Community Well	South Annara Well	0.000016			Good	No
6	Community Well	Thenchery Well	0.000013			Good	Yes

## Used Water

### Sewerage Coverage

Household connected to sewer network					
No. of households covered	0	Sewage generated in MLD	1.854	Sewage treated through STP in MLD	0

Household not connected to sewer network					
No. of households covered	0	Sewage generated in MLD	0	Sewage treated through STP in MLD	0

### Septage Coverage

No. of households covered	0	Sewage generated in MLD	0	Sludge treated through FSSM in KLD	0	Grey water recycled in MLD	0
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### Sewage Treatment Plants (STP)

#	Location of STP	Designed capacity in MLD	Operational capacity in MLD	Reused capacity in MLD	Reuse purpose	Revenue from reused water	Automatic monitoring?	Technology used
No data available in table								

## City Water Balance Plan Summary

Current Infrastructure assets/supply FY21-22 (A)		Projected consumption/demand FY25-26 (B)		Estimated gap FY25-26 (C)= (B)-(A)	
<b>Water Supply</b>					
Water supplied to households	3.466	Water demand	11.928	Gap in water supply	8.462
Water treatment capacity	17	Water to be treated	11.928	Gap in water treatment	-5.072
Households with tap connections in slums	0	Total slum households	0	Gap in household tap connections	0
Households covered with Tap connections (City)	3815	Total households including slums	17939	Gap in households tap connections including slums	14124
<b>Used Water</b>					
Used water being treated	0	Used water generation	8.718	Gap in used water treatment	8.718
Used water being recycled	0	Used water to be recycled (20%)	1.744	Gap in used water recycling	1.744
Sewer connections provided (including coverage with septage management)	0	Total households	17939	Gap in household sewer connections/ coverage with septage management	17939